



# **HALLUCINATION EVALUATION**

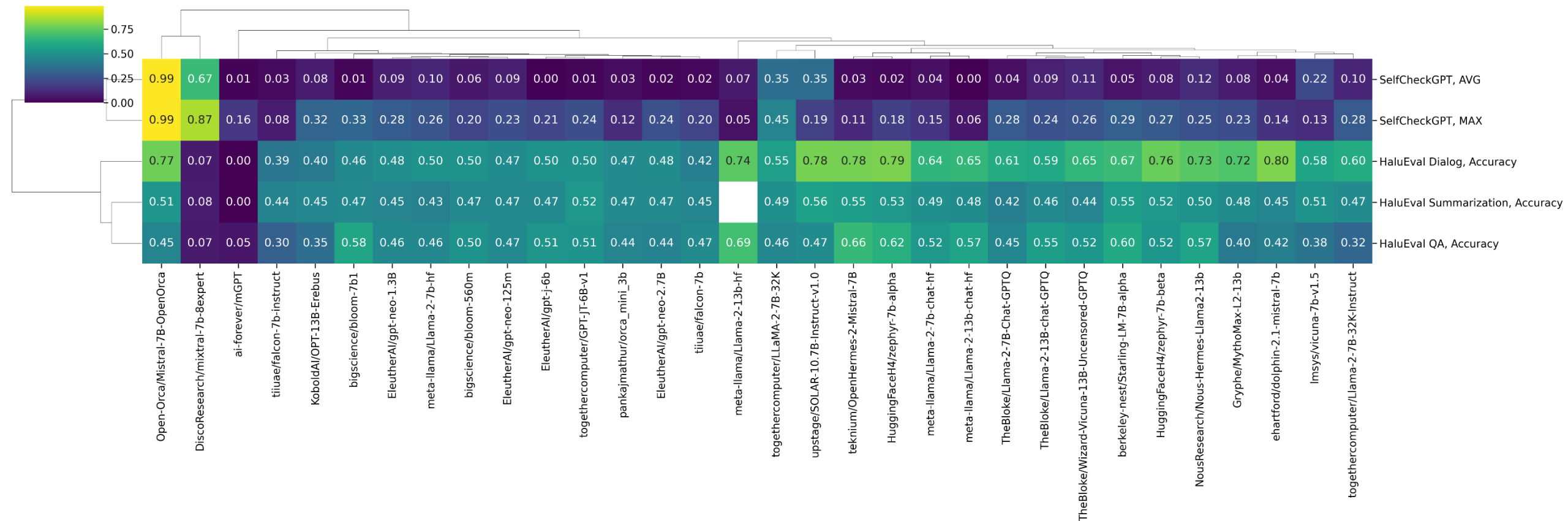
IN AI SYSTEMS

# HOLOSCAN

**Have you had any issues with the authenticity of the AI's responses?**



# Unraveling truthfulness in AI





# The complexity of evaluating and optimizing AI today

Highly experimental and manual inputs

Automatic translation

Prompt templates

Processing chains

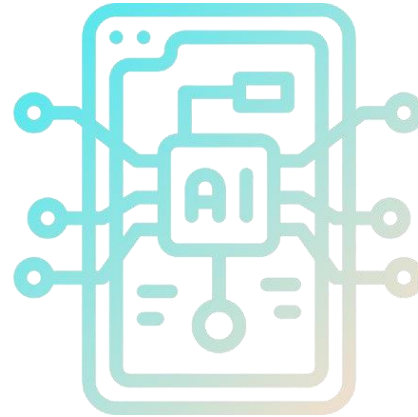
Specific training data

Hyperparameter settings

Fine-tuning techniques

Evaluation methods

And more



Outputs evaluated essentially by human judgment

Chat

QnA

Sentiment analysis

Text generation

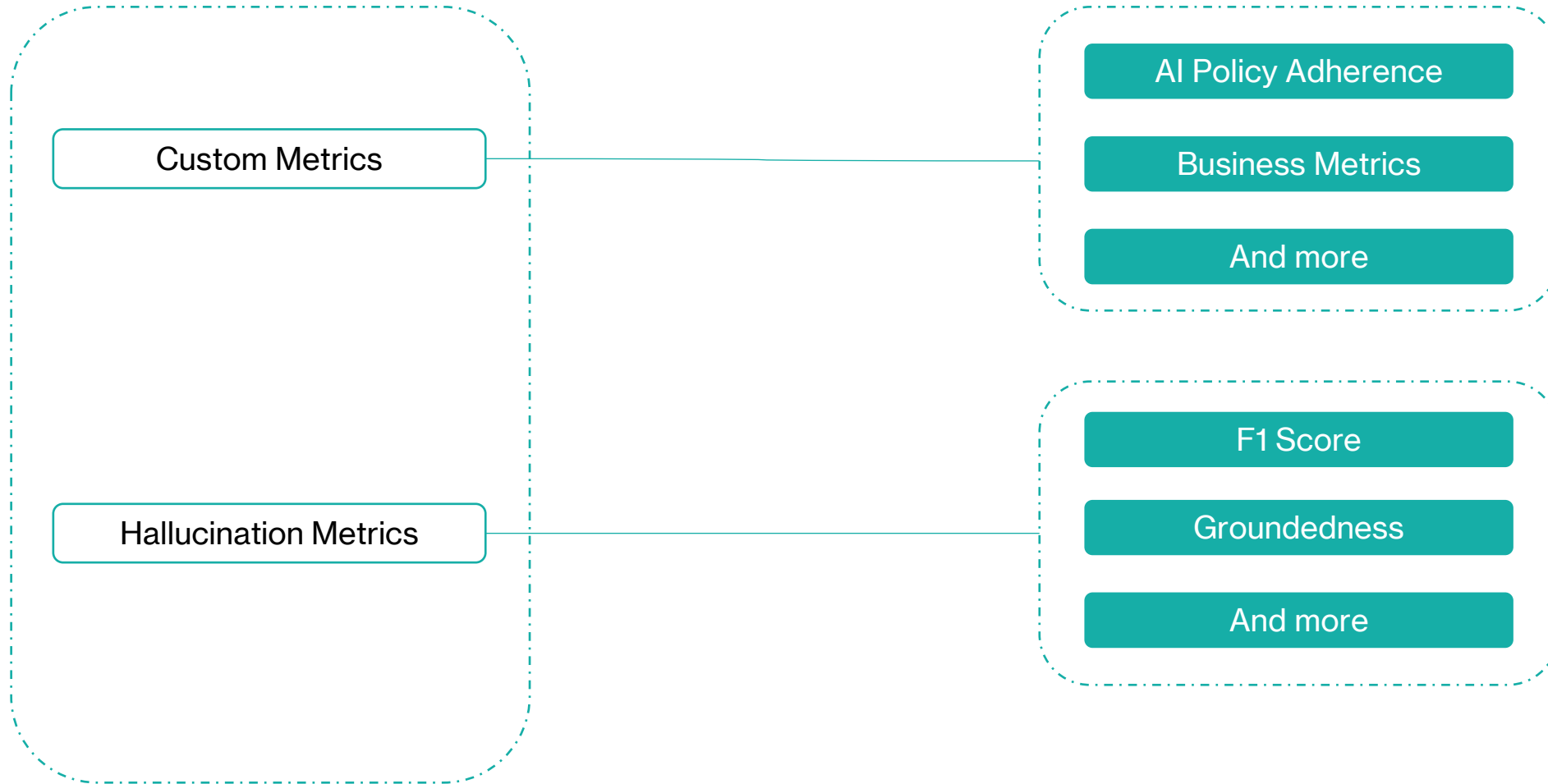
Code generation

Automatic translation






Text summarization

And more

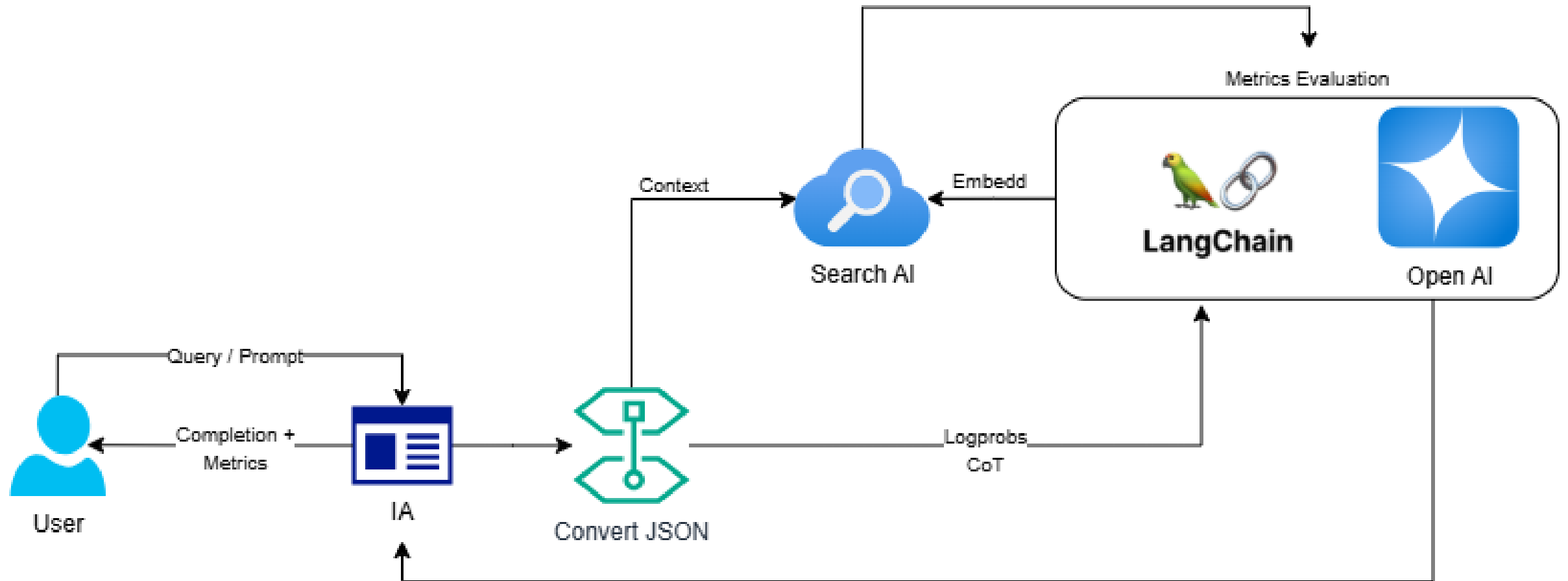
# Output evaluation metrics



# AI evaluation metrics that are...

-  More precise
-  Scalable to a variety of real-world tasks
-  Accelerate prompt engineering
-  Economical
-  Minimal latency

# Architecture





**Demo**



# HoloScan's Team



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**Thanks!**

